Technical Committee 184: Industrial automation systems and integration
Subcommittee 4: Industrial data

ISO TC 184/SC 4
Call for National Technical Experts
UML-EXPRESS Cooperation

At its recent meeting in Charleston, SC4 resolved (see attached resolution 479) to create a team of SC4 experts to work with the UML 2.0 submission teams to achieve the harmonization of EXPRESS and UML and act as a liaison with ISO JTC1 SC7.

The ISO TC 184/SC4 Secretariat is conducting a call for national nominations for technical experts to participate in the UML-EXPRESS cooperation activities. The team will be lead by Bernd Wenzel, and will include Dave Price and Phil Spiby.

> ## Nominations should be submitted to the SC4 Secretariat by 2000-12-13.

National technical experts are expected to be active in the work of SC4 and actively participate in the consensus-building standardization process. It is important that national bodies identify all those individuals who are actively contributing towards the standardization of industrial data standards of SC4.

SC4 RESOLUTION 479 (Charleston, SC - October, 2000)

UML-EXPRESS cooperation

Introduction:
Unified Modelling Language (UML) is a systems development language standardised by the Object Management Group (OMG). Many organisations are using SC4's EXPRESS based standard datamodels as foundations of software development efforts employing UML. This involves manual and error prone activities to migrate EXPRESS datamodels into UML models. At the same time, the work on a major revision of UML, called UML 2.0 has been initialised within OMG. OMG's RFP is asking explicitly for alignment with other modelling languages, such as EXPRESS.
UML is currently being standardised within ISO as 19501 within JTC1 SC7.
This resolution is in line with:

- Resolution 454 (Melbourne) stating the co-operation between SC4 and OMG by identifying a specific area of co-operation;

- Resolution 459 (Bordeaux) stating the adoption of external standards in this case this resolution would lead to the harmonisation of UML and EXPRESS, which would simplify the adoption of standards produced by OMG.

Objective:
To bring together adequate resources from SC4 with detailed knowledge of the EXPRESS language to liase with the teams developing a response to this RFP. With the intentions of sharing knowledge and experiences of the EXPRESS developments (Edition 2 and Edition 3 in addition to the currently standardised edition) to the benefit of both UML and EXPRESS developments.
To liase with the UML submission teams and the committee within ISO which is standardising the UML specifications
The liaison between UML and EXPRESS would lead to improved understanding of these overlapping standards and harmonisation between them.

Resolution:
SC4 resolves that WG11 create a team of people lead by Bernd Wenzel and including, but not limited to, the following individuals:
>Dave Price
>Phil Spiby

SC4 directs this team to work with the UML 2.0 submission teams to achieve the harmonization of EXPRESS and UML and act as a liaison with ISO JTC1 SC7.

SC4 requests SC4 secretariat to send a call for experts for the team.

Attached documents: none